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I also certify that the attached copy of the request for grant of a Patent (Form 1/77) bears an amendment, effected by this office, following a request by the applicant and agreed to by the Comptroller-General.

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Signed

Dated 25 September 2003

Patent 1977
(Rule 16)

Request for grant of a patent

(See the notes on the back of this form. You can also get an explanatory leaflet from the Patent Office to help you fill in this form)

29 AUG 2002

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24AUG02 E7434381 C98592
P01/7700 0.00-0219717.6

The Patent Office

Cardiff Road
Newport
South Wales
NP10 8QQ

1. Your reference

2. Patent application number

(The Patent Office will fill in this part)

0219717.6

23 AUG 2002

3. Full name, address and postcode of the or of each applicant (underline all surnames)

Bassay B. U.T.P

196 HIGH RD

Patents ADP number (if you know it) 8451692001

If the applicant is a corporate body, give the country/state of its incorporation

4. Title of the invention

~~EP A METHOD OF CONSTRUCTION HAPPSHADES~~

5. Name of your agent (if you have one)

ALV-8-03

"Address for service" in the United Kingdom to which all correspondence should be sent (including the postcode)

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Patents ADP number (if you know it)

London N22 8HH

Graham Jones & Company

77 Beaconsfield Road

Blackheath

London

SE3 7LG

(51/77 - 9.5.03)

6. If you are declaring priority from one or more earlier patent applications, give the country and the date of filing of the or of each of these earlier applications and (if you know it) the or each application number

7. If this application is divided or otherwise derived from an earlier UK application, give the number and the filing date of the earlier application

Number of earlier application

Date of filing
(day / month / year)

8. Is a statement of inventorship and of right to grant of a patent required in support of this request? (Answer 'Yes' if:

- any applicant named in part 3 is not an inventor, or
- there is an inventor who is not named as an applicant, or
- any named applicant is a corporate body.

See note (d))

9. Enter the number of sheets for any of the following items you are filing with this form.
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Continuation sheets of this form

Description 2

Claim(s) _____

Abstract _____

Drawing(s) 16 17 + 18

10. If you are also filing any of the following, state how many against each item.

Priority documents

Translations of priority documents

Statement of inventorship and right to grant of a patent (Patents Form 7/77)

Request for preliminary examination and search (Patents Form 9/77)

Request for substantive examination (Patents Form 10/77)

Any other documents (please specify)

11.

I/We request the grant of a patent on the basis of this application.

Signature W.H.Date 23/08/2000

12. Name and daytime telephone number of person to contact in the United Kingdom

Bassey Utip 07851-028795**Warning**

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Notes

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A Method of constructing Lampshades

A Preferred Embodiment

This invention, as with prior art, is constructed from fabric laminated with a card or plastic backing.

According to this embodiment a shape or profile S, illustrated in Figure 1, is chosen, which when repeated and attached one to another, will produce an outer facia 1 for a lampshade of the desired shape and dimension, which is bonded to an inner lining 9 of similar construction.

Laminated Panels 2 of similar shape to profile S, but of larger dimensions, are made to the specification now outlined. Panel 2 is composed of a plastic or other backing 3 of matching shape and dimension to profile S in Figure 1. Also provided in Panel 2 are two further pieces of Backing 4 and 5. Backing 4 being a replicate of the area N of Backing 3 and Backing 5 being also a replicate of the area M of Backing 3. Further provided to Panel 2 is a Fabric 6, to which Backing 3 is laminated. A gap X is allowed above the area N and backing 4 is also laminated such as to mirror area N of Backing 3. This is repeated at the other vertical end of backing 3, with backing 5 being laminated with a gap X present below area M and Backing 5 laminated to mirror area M. A gap G, of sufficient size to afford Fabric 6 to be folded over Backing 3, 4 and 5 is provided along the vertical length of the laminated Backings 3, 4 and 5 and Fabric 6 is cut along the edge of gap G. Panel 2 is thus composed of a Fabric 6 to which is laminated the three items of Backing 3, 4 and 5, with a gap X present between each Backing and an excess of Fabric 6 along the vertical length of the three Backings as illustrated Figure 2.

Provided in this present embodiment is an outer member 1, composed of 9 off Panel 2, sewn or held together along excess G of Fabric 6, each being attached to the next along one of its length, such that the right side of one panel is attached to the left side of the next as shown in Figure 3. The best result is achieved by laying two off Panel 2 side by side horizontally, with the excess G of fabric pulled vertically as shown in Figure 3. Provided is the attachment of all nine off Panel 2 in a daisy chain, the left side of one Panel 2 being sewn to the right side of the next Panel 2 along their length with the stitches kept as close as possible to the un-laminated faces of backings 3, 4 and 5. However, it is easier to lay two off Panel 1 face to face, with the fabric 5 face of each Panel 1 against the Fabric 5 face of the next Panel 2 and sewn together along the length of the panels and keeping the stitches as close as possible to the edges of the backing 3, 4 and 5 as illustrated in Figure 3A. The Reader should note that when the gaps X are encountered, a straight line T, shown in Figure 2, should be sewn between the end edge of one backing and the beginning edge of the next. Further provide is the attachment of the first Panel 2 to the ninth Panel 2, in the manner prescribed above, to create an enclosed structure 1, having the Fabric 6 face of each Panel 2 to its exterior.

The excess G of Fabric 6 on each Panel 2 may be stuck down onto the un-laminated face of backing 3, 4 and 5 such that each Backing 3, 4 and 5 is partially enclosed by Fabric 6 as illustrated in Figure 4, to prevent the weave of fabric 6 from working loose.

Provided for in this embodiment is a two-part frame from prior art, illustrated in Figure 5, comprising a Spider 7 and a Ring 8, glued to the interior of the lampshade. As with prior art the Spider 7 is glued to the vertical end of smaller diameter and the Ring 8 glued to the vertical end of larger diameter as illustrated in Figure 6. With the Spider 7 glued internally to Backing 3, the overlap of fabric 6, above Backing 4 is wrapped around Backing 4 and glued to it. Backing 4 is turned inwardly into the centre of the outer facing 1 such that Spider 7 is firmly secured within gap X, and Backing 4 glued to Backing 3. The same process here dictated for Spider 7 and Backing 4 is repeated for Ring 8 and Backing 5 respectively.

Also provided for in this embodiment is a Lining 9 composed of nine off laminated Panel 10, having at its vertical extremes an outside diameter equal to the inside diameter of the lampshade outer at the joining points, and which is composed of a Backing 11 that is of the same shape as profile S except of marginally smaller dimension and laminated unto lining Fabric 12. The completed Panel 10 is thus a Backing 11 laminated to a Fabric 12 with an excess G of Fabric 12 present around its perimeter as illustrated in Figure 6. Also provide is the sewing together of nine off Panel 10, and the adhesion of the excess material G around each Panel 10 in the manner

earlier proscribed for Panel 2; with one exception being that in this instance the Fabric 12 face of each laminated Panel 10 lies to the interior of the completed Lining 9 as illustrated in Figure 6.

According to this present embodiment Lining 9 is received internally by the outer structure 1 and the two structures bonded together, as illustrated in Figure 7.

An Alternative Embodiment.

In an alternative embodiment of this invention is now described whereby a lampshade outer member 18 is comprised of a multiple of panels which lock one into another to which is applied an inner conformal coating as illustrated in Figure 15.

This embodiment is composed of nine off laminated Panel 14. Each Panel 14 is composed of a Backing 15 of shape F in Figure 8. A smaller shape H is marked centrally on Backing 15. A number of Cuts 16, in alternately diverging and converging pairs, are made to Backing 15, along its length, each cut extending from the edge inwardly to H as illustrated in Figure 9. Cuts 16 along one side of Backing 15 are made in diverging pairs D. Converging Cuts C, in pairs, equal in number to diverging pairs are made to the opposite horizontal side of Backing 15. Each matched pair of Diverging cuts D and Converging Cuts C intersects profile H at the same vertical distance, such that the lower of the diverging Cuts meets the Profile H at the same vertical distance as the lower of the Converging Cuts C and the upper converging Cut and upper Diverging cut meet the Profile H at the same vertical distance.

Provided also is a Fabric 17 of equal shape to, and greater dimension than Backing 15, such as to provide an excess of material W, equal to the distance between S and H at every point along the vertical sides, to allow the Fabric 17 to be folded back over Backing 15 and reach Profile H. Provided to Fabric 17 are cuts Z along Profile H between each pair of Converging lines C as illustrated in Figure 10. Further provided to Fabric 17 are cuts E extending outwardly from Profile H to the edge of Fabric 17, and each cut being on the outside of, and parallel to, each pair of Diverging cuts, with the allowance of an excess of material L sufficient to allow it be glued to the opposite face of Backing 15.

A further provision of this invention is the lamination of Fabric 17 to Backing 15, such that cuts Z lies on the Profile H of Backing 15 and cuts E run parallel to Cuts 16 and outside D, as illustrated in Figure 11. The excess material E is pushed through cut 16 and glued to the reverse face of Backing 15. The remaining excess material is also folded back and glued to the reverse face of Backing 15 as shown in Figure 12.

Provided for in this embodiment are twelve off Panel 14, attached one to the next by inter-locking them together such that the diverging sections K in Figure 14 of one Panel 14 lie on the fully laminated face of the next Panel 14 and its converging sections to lie on the opposite face with both Panels pushed tightly together such that the left side of Profile H of one Panel 14 is interwoven with the right side of Profile H of the next Panel 14, achieving a weave of the two Panels 14 as illustrated in Figure 14.

Provided in this design are twelve off Panel 14 interwoven together in a daisy chain, with the first Panel 14 being so attached to the twelfth Panel 14 to provide a bell-shaped structure with the Fabric 17 covered face of each Panel 14 being to the exterior of the construction.

Provided in this embodiment is a two-part frame composed of a Spider 7 and Ring 8. The Spider 7 being bonded to the smaller vertical end of member 18 and secured in place with a fabric tape 20 that is bonded on one side to the exterior of member 18 and on its other side to the interior of member 18 as illustrated in Figure 15.

A final provision of this embodiment is the application of a spray-applied or brush-on plastic ultra-violet or thermally cured coating 19 to the interior of the outer member 18 for the purposes of further securing the Panels 14 together and concealment of the joins between the Panels 14. Such a coating may also add to the structural rigidity of the completed lampshade.

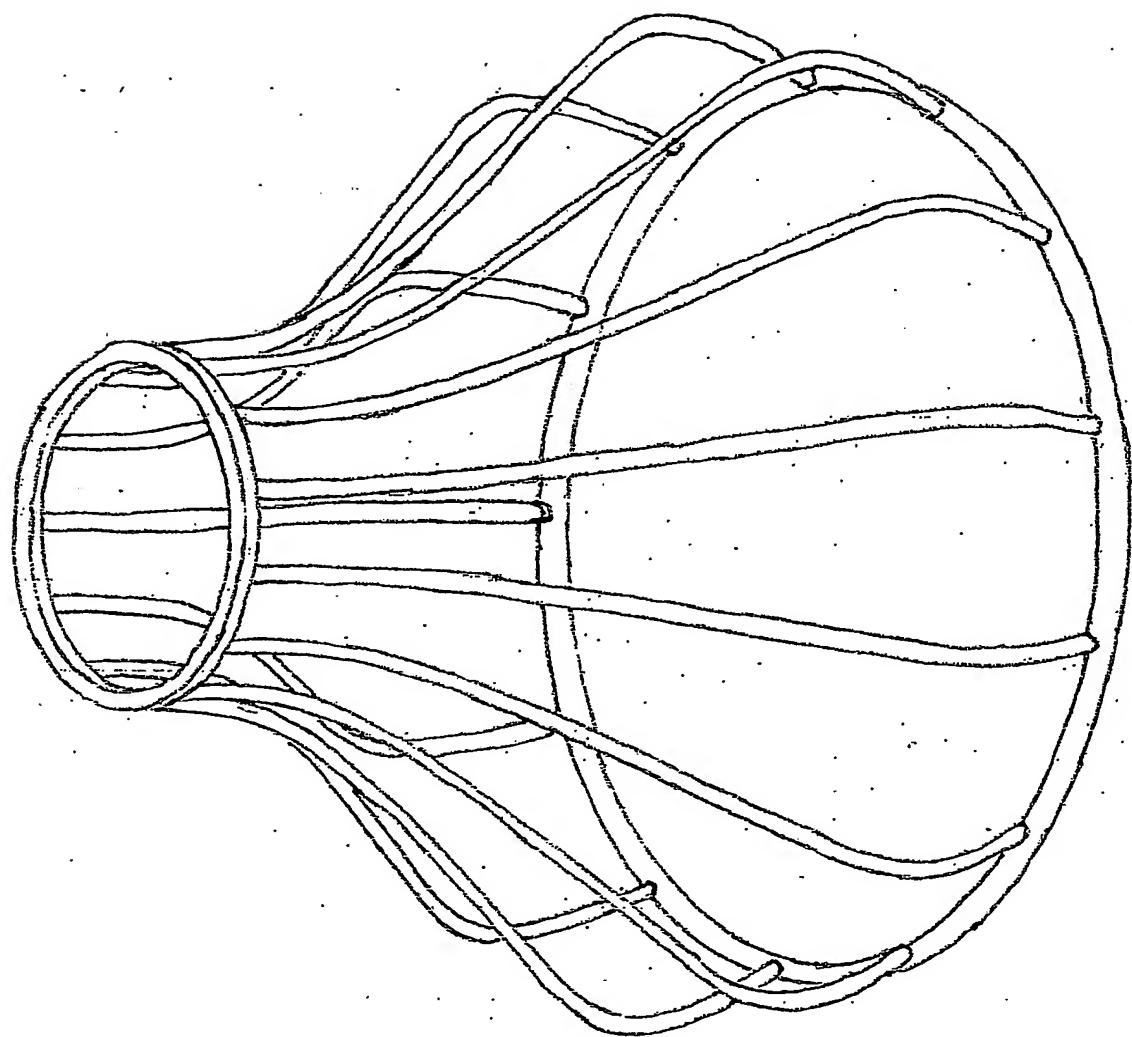


Diagram 2

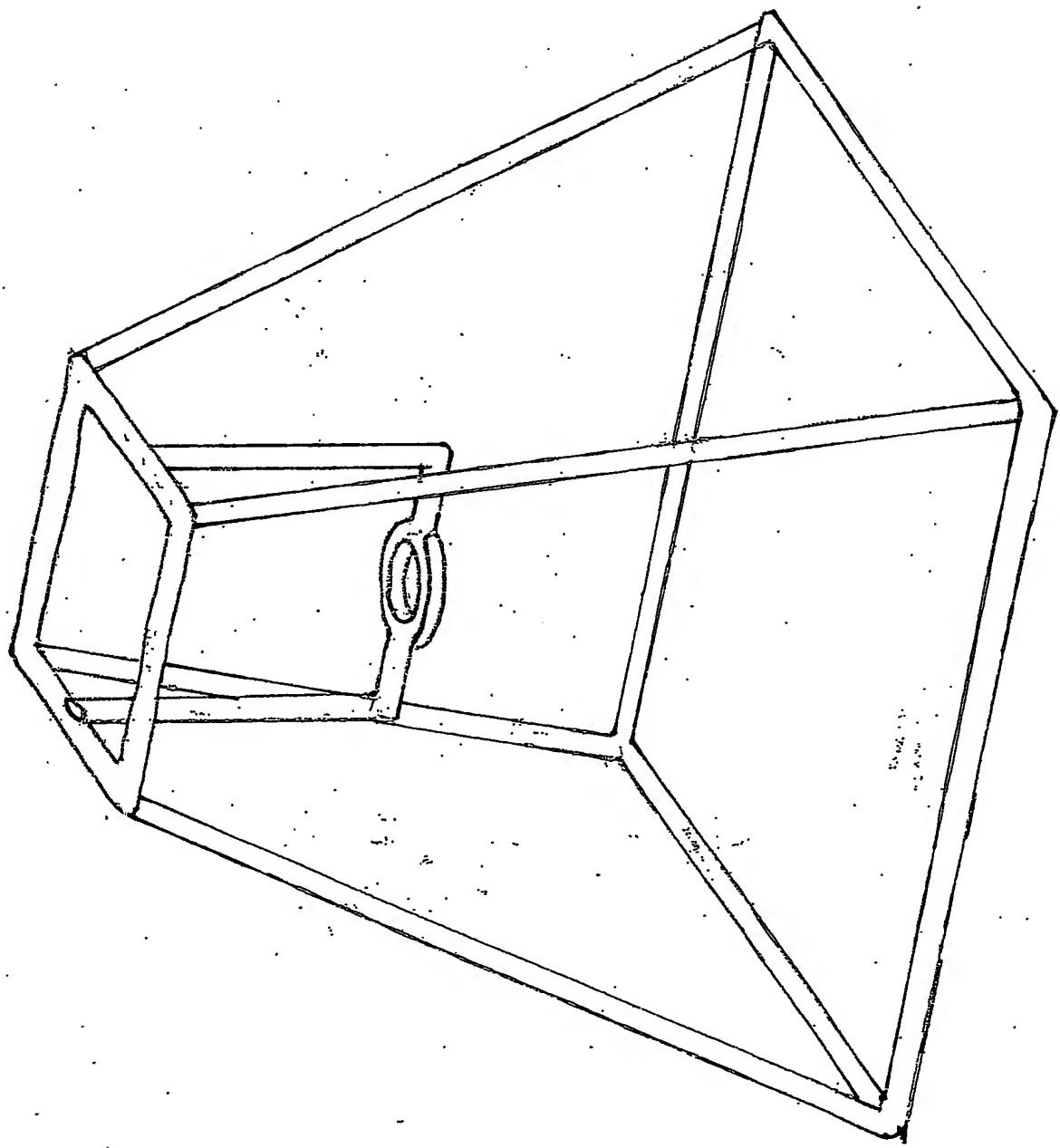
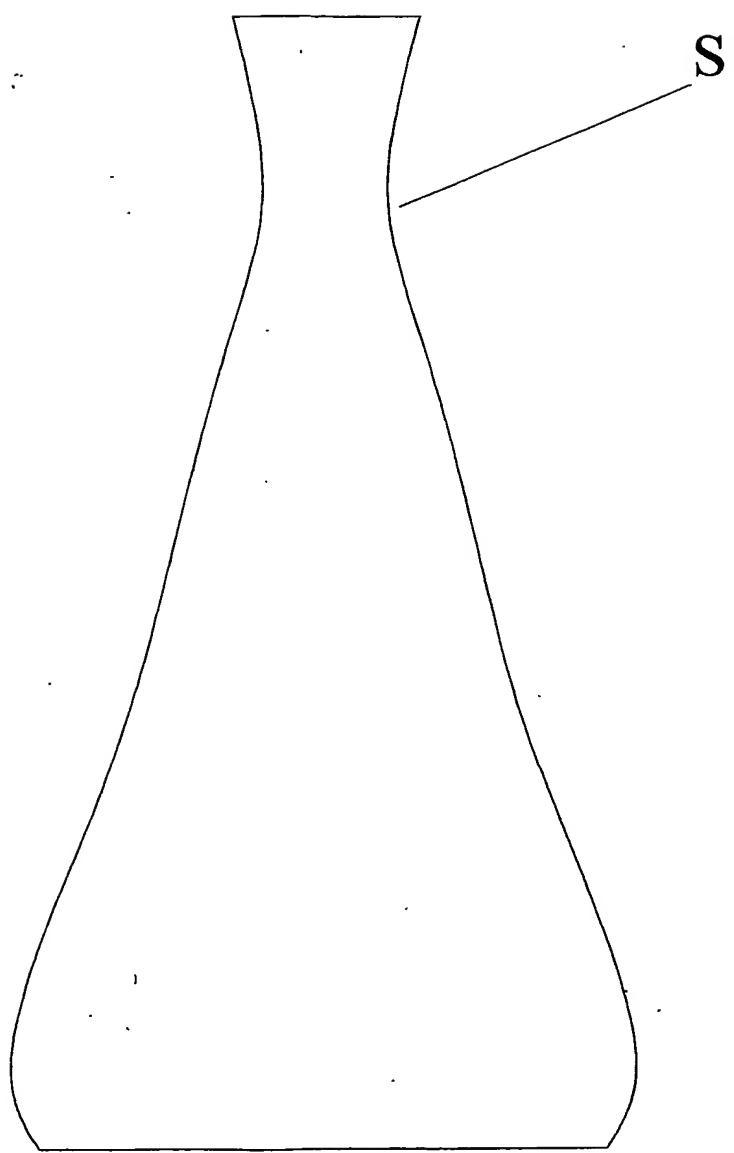


Figure 1



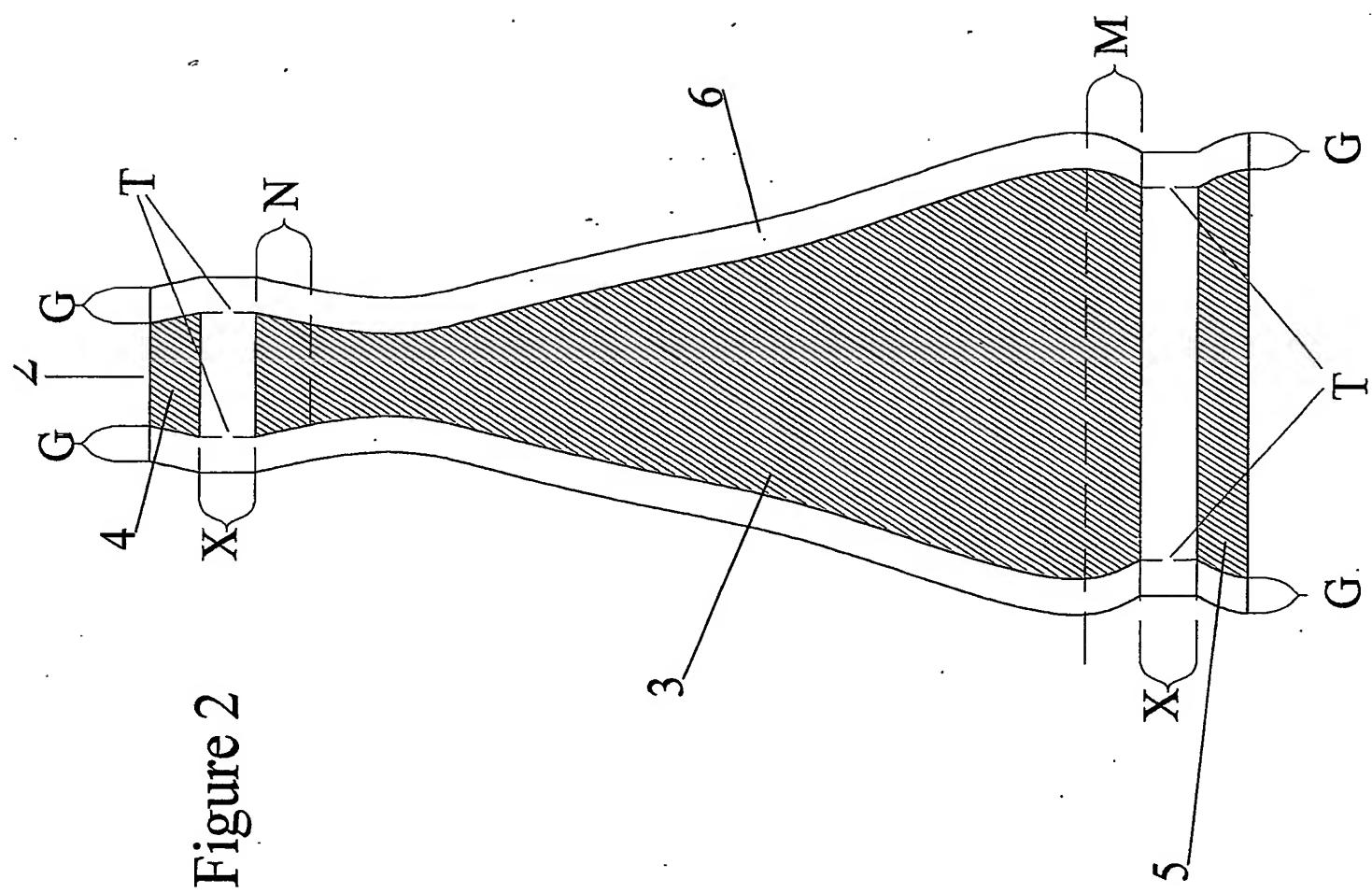


Figure 2

Figure 3

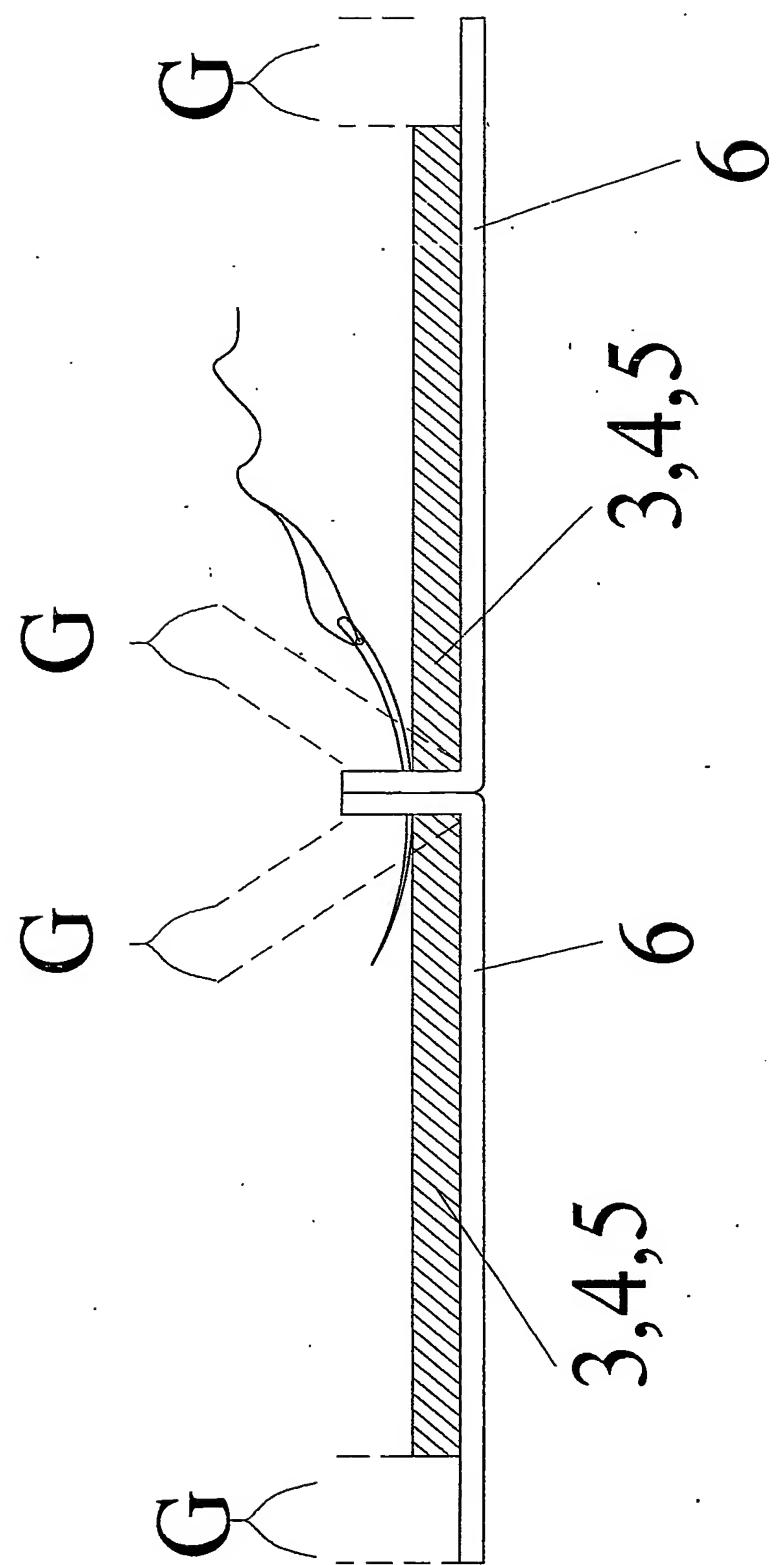


Figure 3a

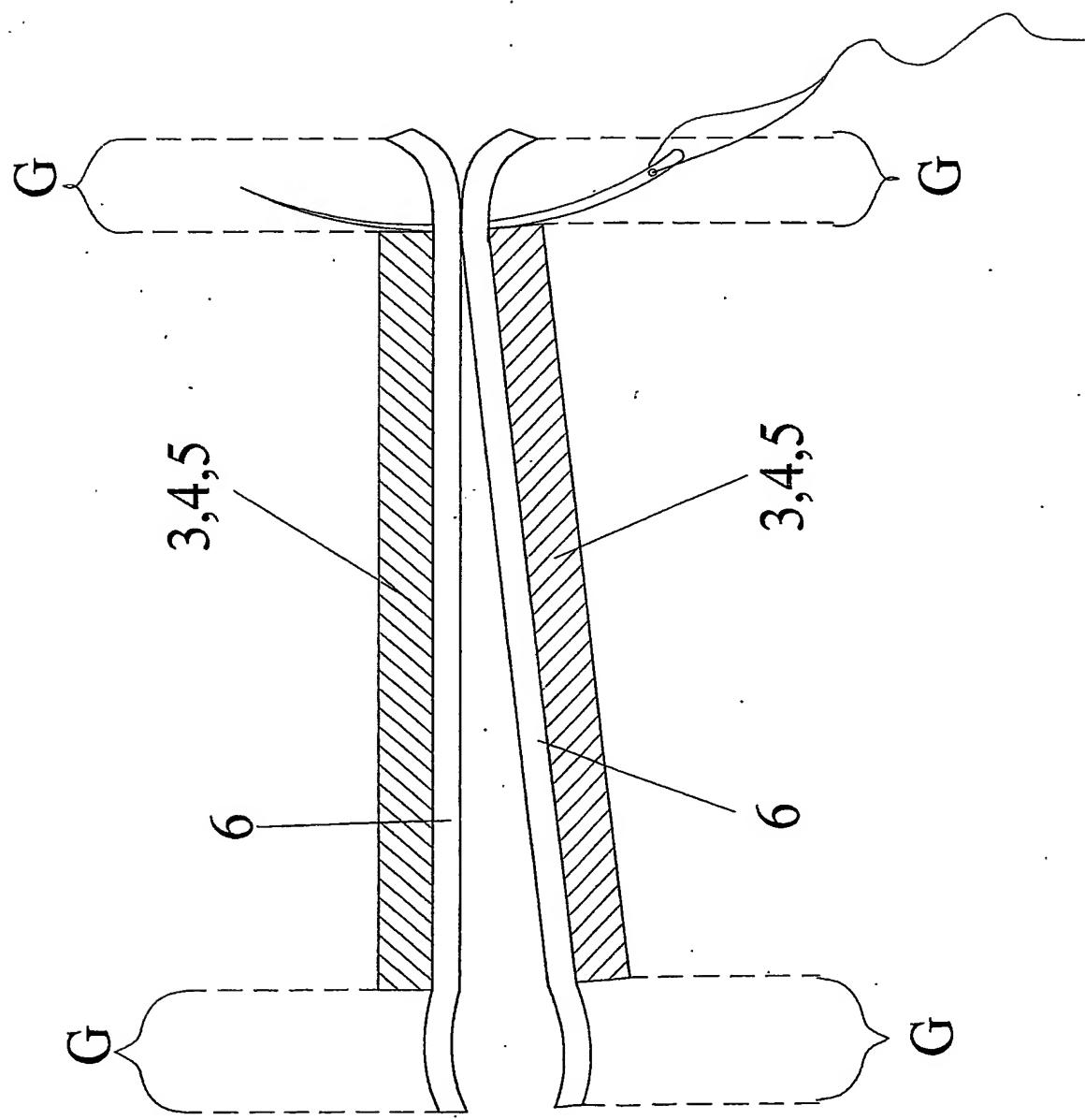
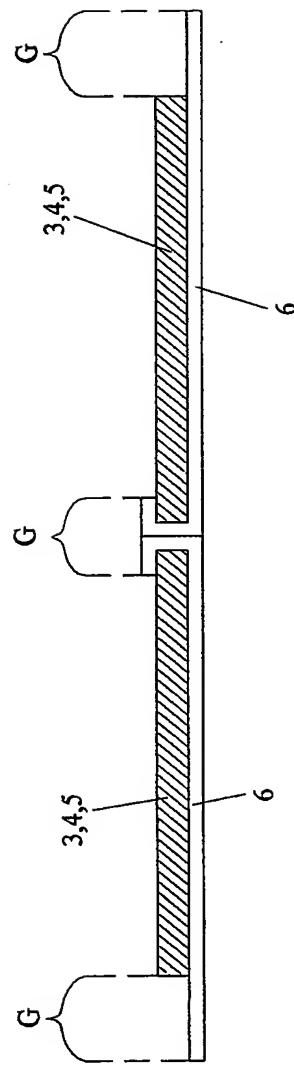


Figure 4



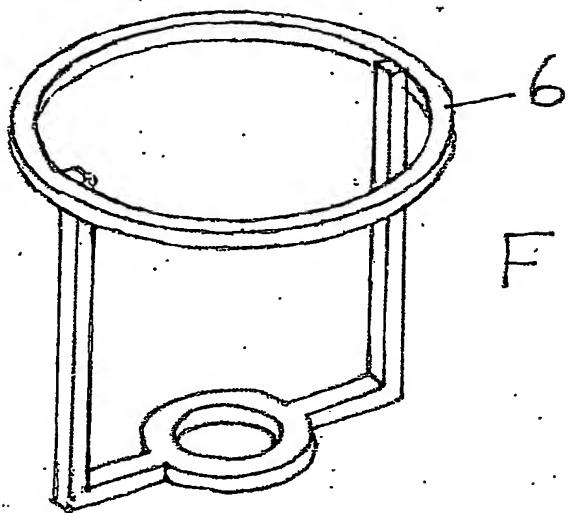


Figure 5

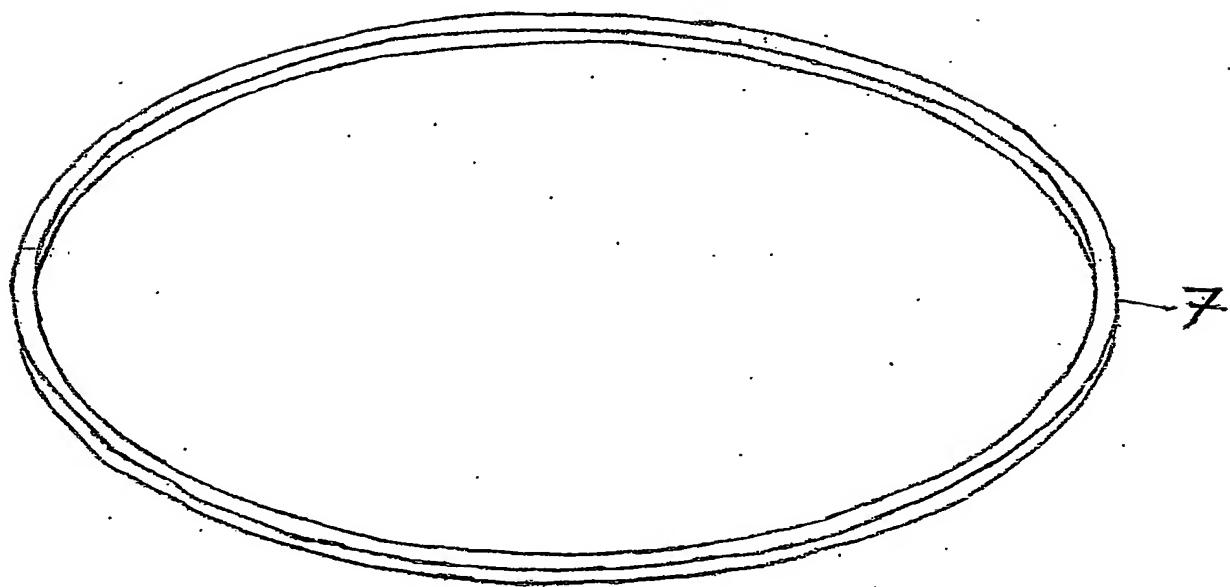


Figure 6

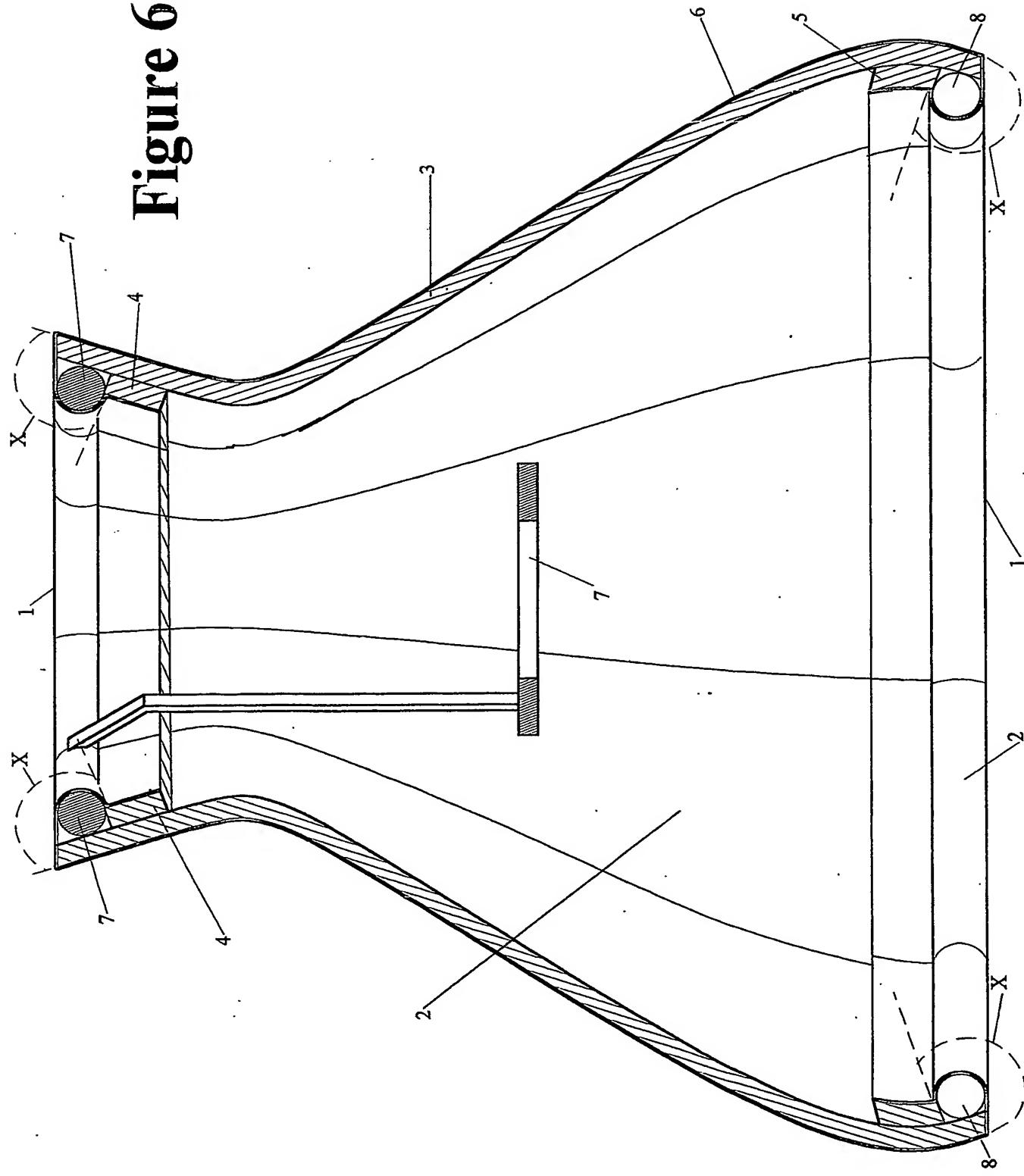


Figure 7

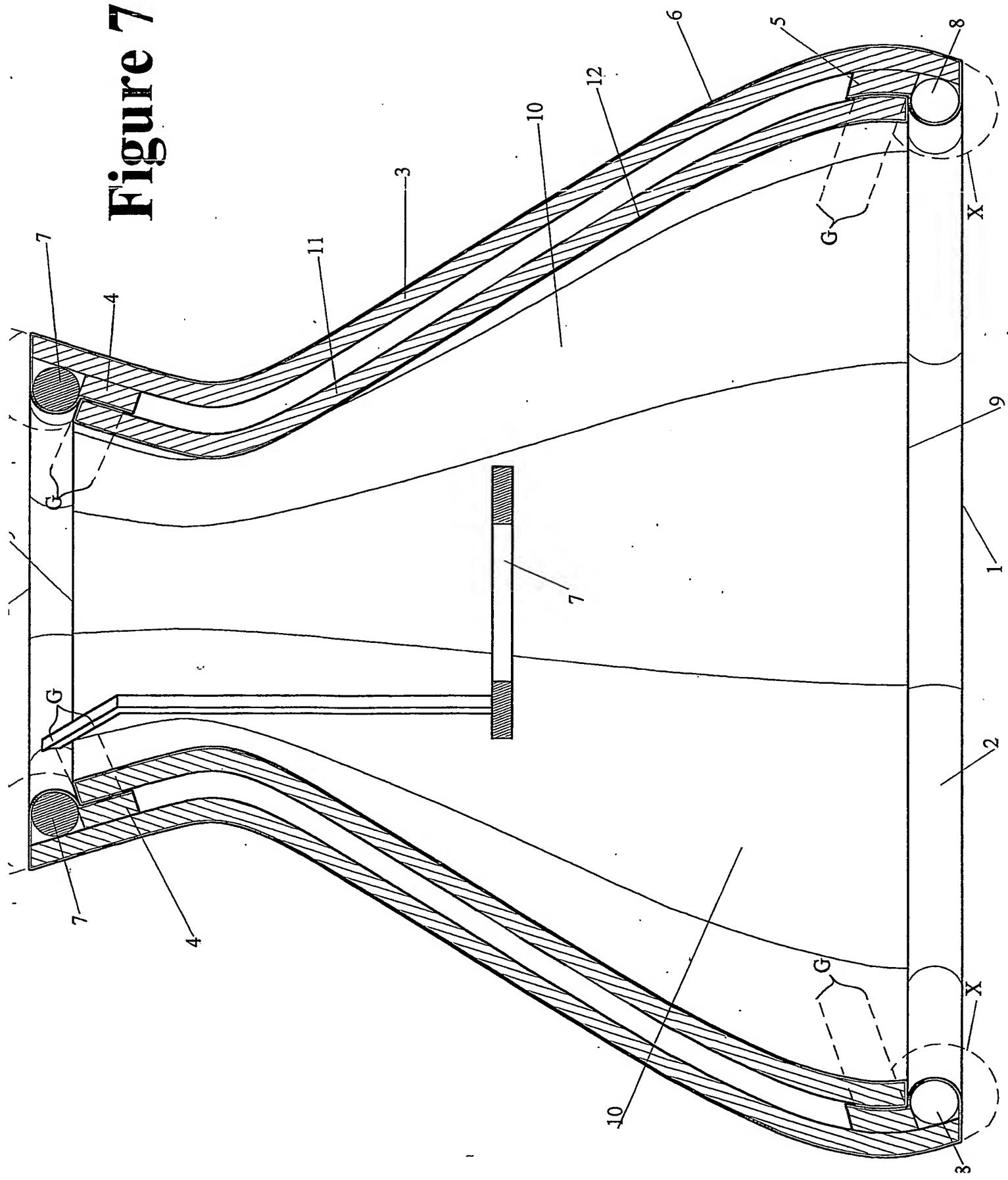


Figure 8

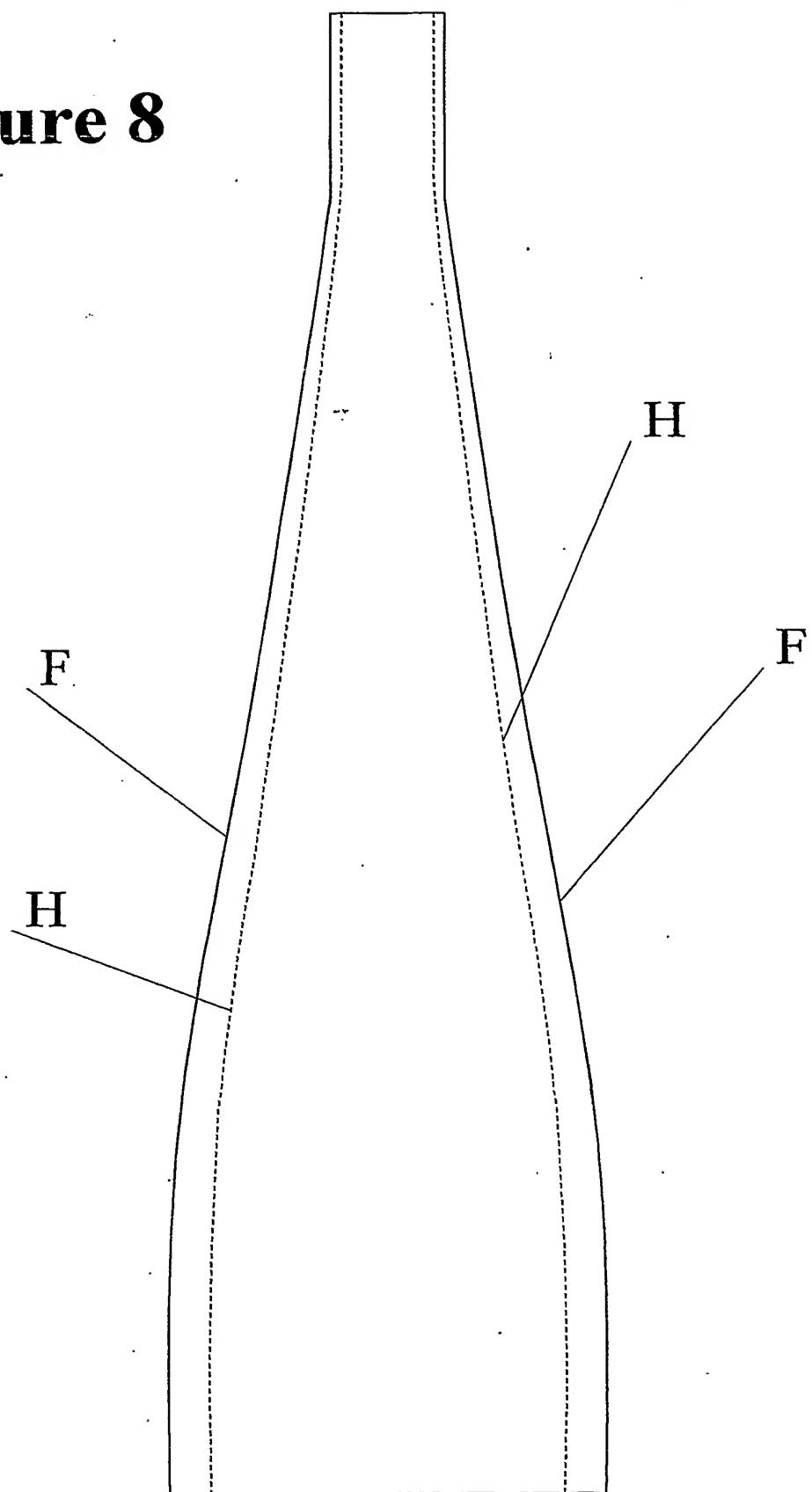


Figure 9

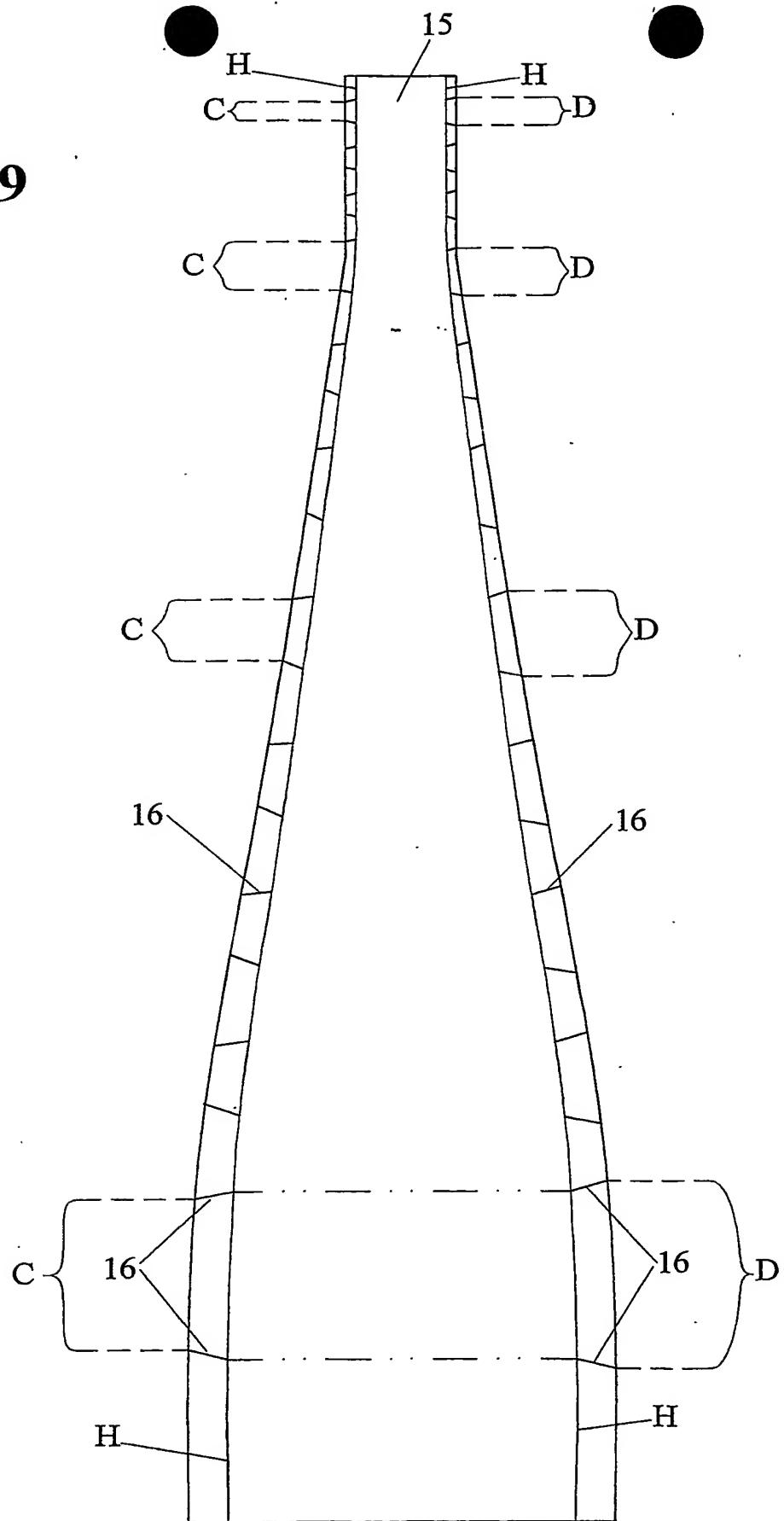


Figure 10

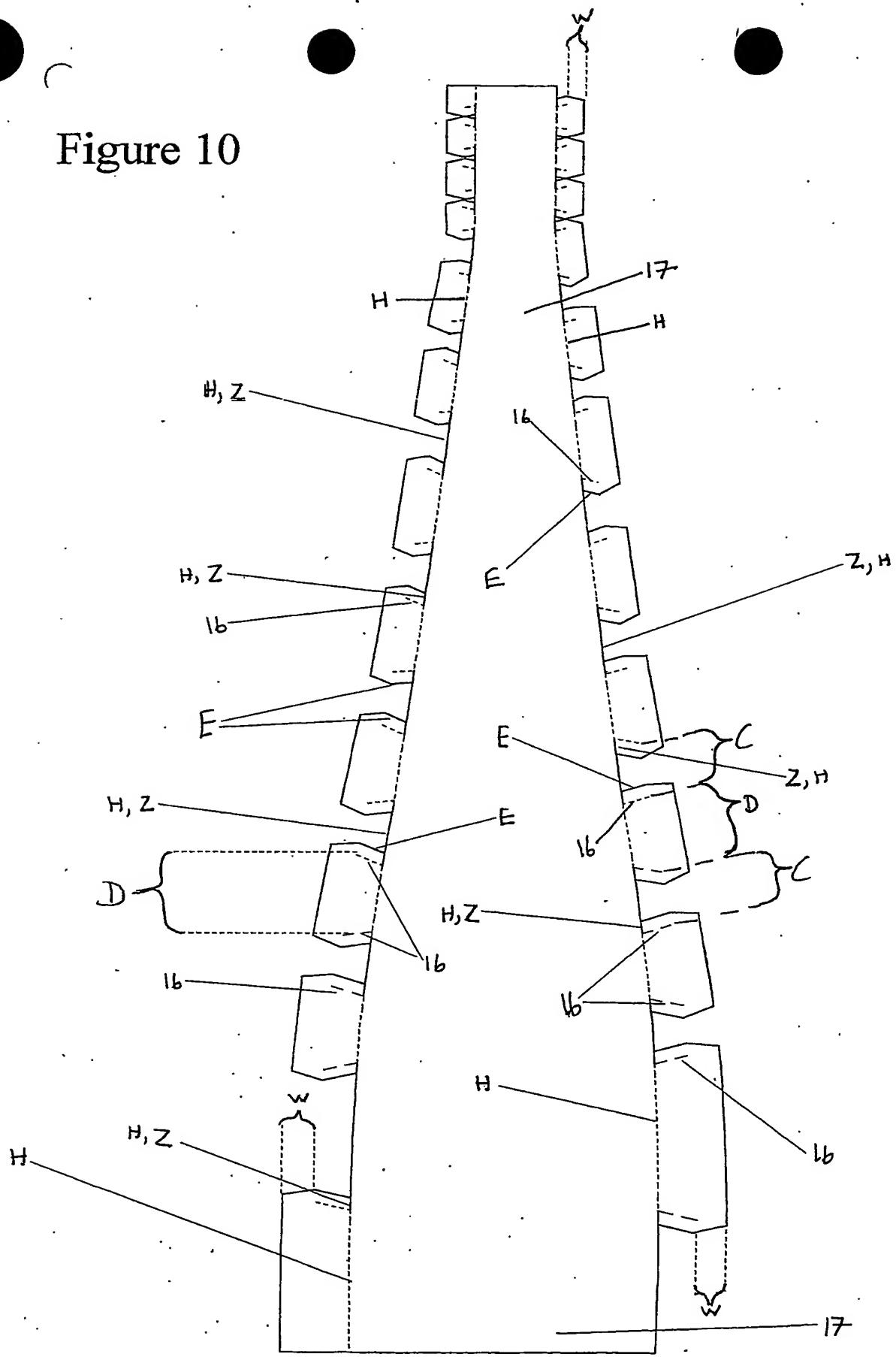
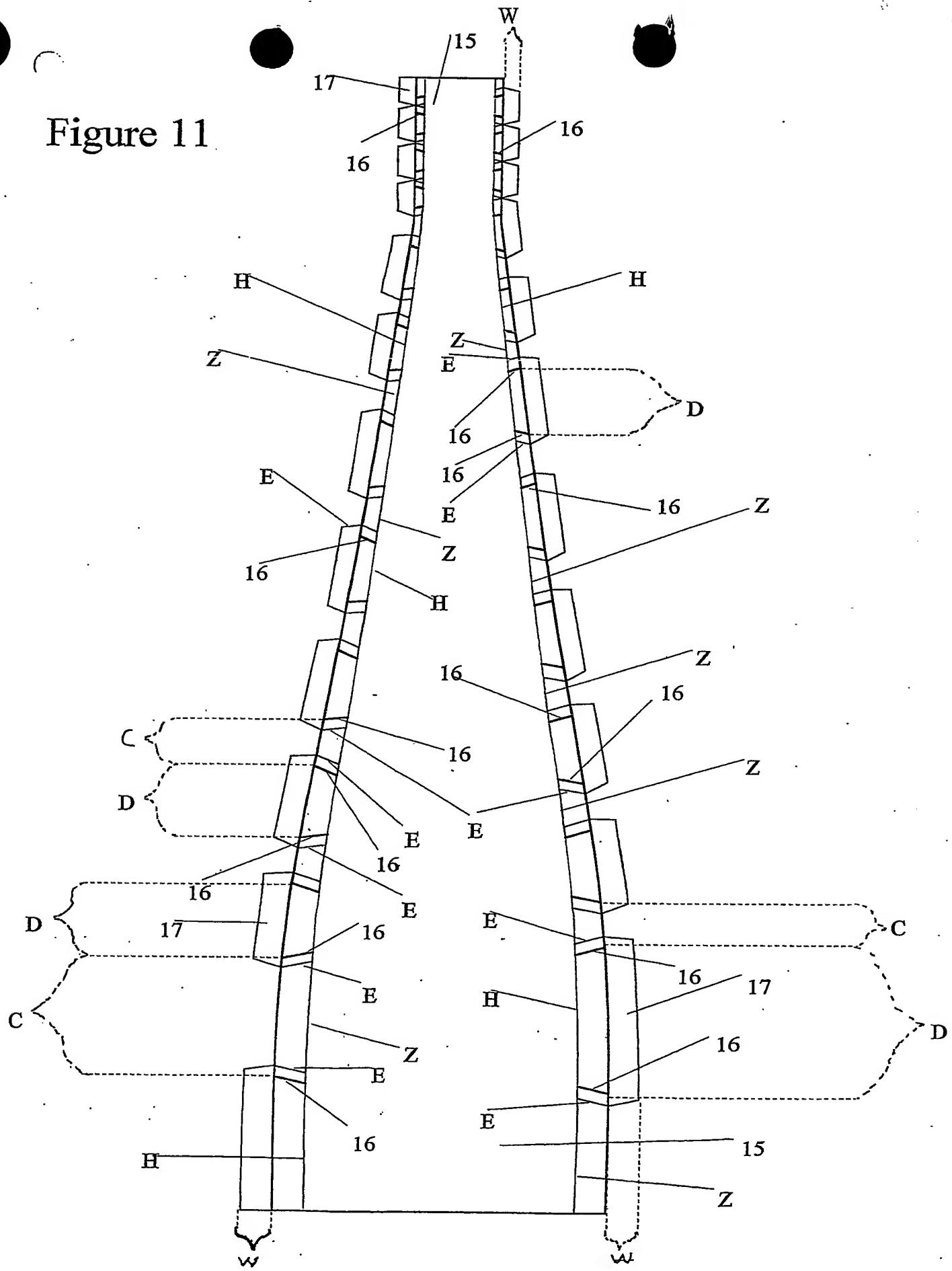


Figure 11



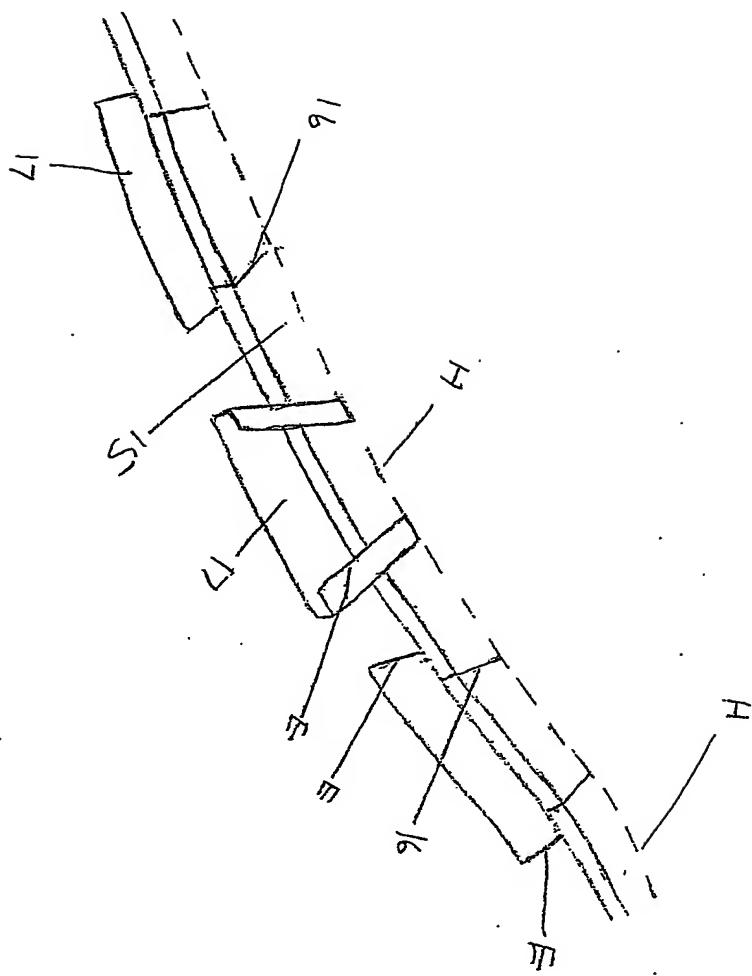
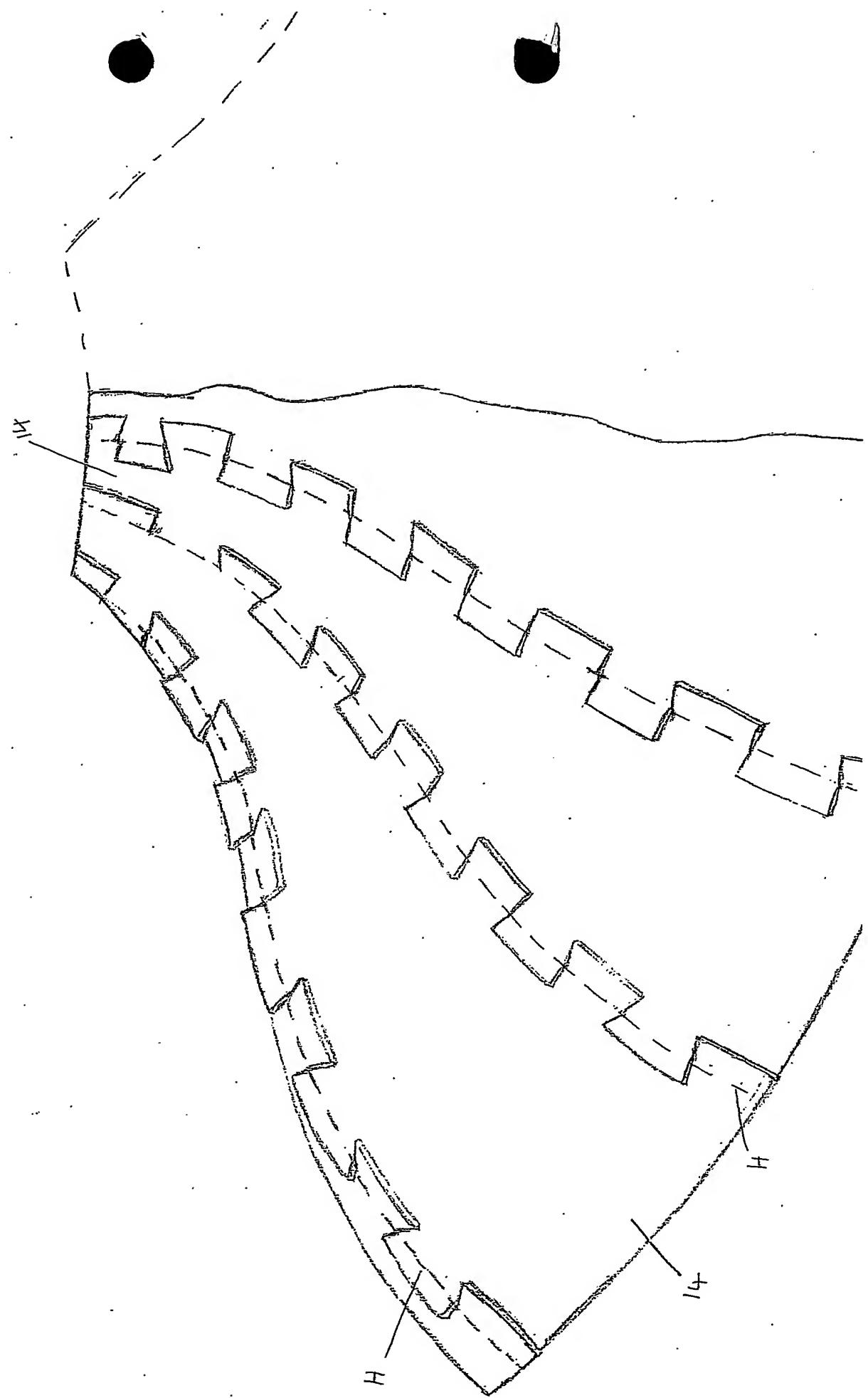


FIGURE 12



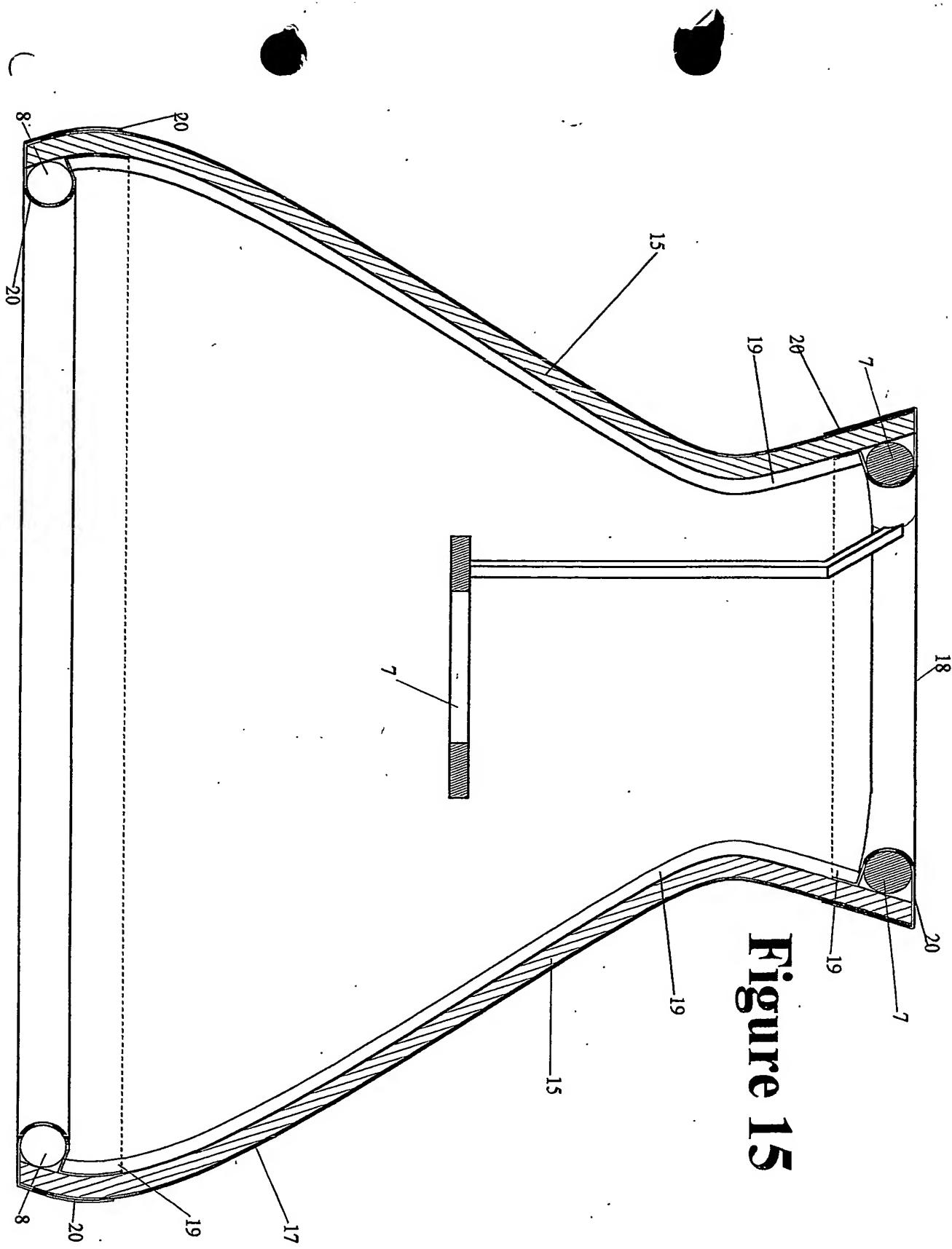


Figure 15

PCT Application
GB0303622

